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Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Maximum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB DB
                                                                                                                                                                                                                                                                                                     Score
                                  66
                                                                        seg length: 0 seg length: 2000000000
    Match
                                                                                                                                                                                                                                                                                                                Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-331-631A-7_COPY_34_80
258
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Issued_Patents_AA: *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              174772 seqs, 17957048 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             March 1, 2001, 15:49:48; Search time 140.11 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YERDPRQQYEQCQRRCESEA.....QCEQRCEREYKEQQRQQEEE
                                                                                                                                                                                                                                                                                                                                                                                            /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/a_COMB.pep:*
/cgn2_6/ptodata/2/iaa/pcTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/backfiles1.pep:*
                                                                                                                                                                                                                                                                                                    Length
    DВ
US-07-955-905A-2

US-07-955-905A-22

US-07-955-905A-22

US-08-056-200-94

US-08-056-200-94

US-08-08-050-33A-2

US-08-257-309B-43

US-08-257-073-5

US-08-450-918A-2

US-08-450-918A-2

US-08-450-918A-2

US-08-450-958-6

US-08-950-958-6

US-08-950-958-6

US-08-950-959A-9

US-08-951-083-160

US-09-234-633-160

US-09-23-61-083-160

US-08-91-946A-1

US-08-91-946A-1

US-08-244-557-8
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                                                                                                                                                                                                                                                                                                                                    SUMMARIES
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6.024 Million cell updates/sec
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                                       Sequence 160, App
Sequence 5, Appli
Patent No. 5210183
Patent No. 5210183
                                                                                                            Sequence 2, Appli
Sequence 23, Appl
Sequence 94, Appl
Sequence 94, Appli
Sequence 2, Appli
Sequence 4, Appli
Sequence 4, Appli
Sequence 5, Appli
Sequence 5, Appli
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Sequence 2, Appli
Sequence 8, Appli
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Sequence
Sequence
                                                                                                                                                                                                                                                                                                    Description
                                                                                43, Appl

43, Appl

5, Appli

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2, Appli

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6, Appli

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6, Appli

6, Appli

7, Appli

47, Appli
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US-07-955-905A-2
                                                                                                                                   RESULT 2
US-07-955-905A-22
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                                                                                                                                                                                                                    Matches
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Best Local S
                                                                                           GENERAL INFORMATION: APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                    TYPE:
                                                                                                                                                                                                                    47;
                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                   amino acid
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ALIGNMENTS	63	63	63	63.5	63.5	63.5	64	64	64	64	64	64	64	64.5	64.5	64.5	65
	24.4	24.4	24.4	24.6	24.6	24.6	24.8	24.8	24.8	24.8	24.8	24.8	24.8	25.0	25.0	25.0	25.2
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	US-08-465-380-55	US-08-326-110A-55	US-08-480-478-55	US-08-190-802A-54	US-08-918-914-4	US-07-955-905A-25	US-08-732-870-2	US-08-666-067-2	US-08-665-037-2	US-07-816-283-12	5180810-1	US-08-499-676A-10	US-08-499-676A-29	US-08-253-155A-38	US-08-253-155A-47	US-08-253-155A-28	US-08-559-397A-14
	Sequence 55, Appl		•	Sequence 54, Appl	4	Sequence 25, Appl	Sequence 2, Appli	2,		Sequence 12, Appl	Patent No. 5180810	Sequence 10, Appl	Sequence 29, Appl	Sequence 38, Appl	Sequence 47, Appl	Sequence 28, Appl	Sequence 14, Appl

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Sequence 22, Application US/07955905A Patent No. 5770433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/07955905A Patent No. 5770433
                TITLE OF INVENTION: RECOMBINANT 47
TITLE OF INVENTION: PRECURSOR
NUMBER OF SEQUENCES: 28
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatable
OPERATING SYSTEM: PC-CDOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acid
SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/0: FILING DATE: 21-JAN-1993
                                                                                                                                                                                                                                                                                                                                     34 YERDPROQYEQCORRCESEATEEREQEQCEORCEREYKEQORQQEEE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 258;
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                                                                                                                                                            AND
                    Version #1.25 (EPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Version #1.25 (EPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                        4e-20;
                                                                                                                                                            31 kD
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                                                                                                                                                            COCOA PROTEINS AND
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RESULT 4
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                                                                                                                                                              Query Match
Best Local Similarity 45.7
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FILING DATE: 21-JAN-1993
CLASSIFICATION: 435
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acid
Sequence 94, Application US/08056200 Patent No. 5616500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 23, Application US/07955905A Patent No. 5770433
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 21-JAN-19
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA: APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 587 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                NAME/KEY: Protein
LOCATION: 1..587
OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release "' "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: Protein LOCATION: 1..566
                                                                                                         36 DPPKRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQRHRPED 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34 YERDPROOYEQCORRCESEATEEREQEQCEQRCEREYKEQQRQEEE 80
                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Gossypium hirsutum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Theobroma cacao
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                         4 DPRQQYEQCQRRCESEATEEREQEQCEQRCEREY - - KEQQRQQEEE 47
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                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                              49.2%; Score 127; DB 1; Length 587; 45.7%; Pred. No. 2.3e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "67 kD Precursor Protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   us/07/955,905A
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Pred. No. 4e-20;
Mismatches
                                                                                                                                                                             Mismatches
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-056-200-94
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US-08-800-644-94
                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Steiner:
APPLICANT: Lee, Sen
APPLICANT: Kim, In
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 40.9
18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435

APPLICATION: 435

ATTORNEY/AGENTMENT: 150 APR-1993

CLASSIFICATION: 435

ATTORNEY/AGENTMENT: 435
                                                                                                                                                                                                                                                                                                                                                                  Sequence 94, Application US/08800644 Patent No. 5958752
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                             APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Mehods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1898 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NI
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION: NAME: Fedrick, Michael F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3
TITLE OF INVENTION: Mehods of Using Same
NUMBER OF SEQUENCES: 117
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                                                                                                           STREET: 620 Newport CITY: Newport Beach STATE: CA
                                                                         COUNTRY: U.S.A. ZIP: 92660
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                                                                                                                                                                ADDRESSEE:
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: CA
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                                                                                                                                         E: Knobbe, Martens, Olson & Bear
620 Newport Center Drive, Sixteenth Floor
                                                                                                                                                                                                                                                                                         Lee, Seung-Chul
Kim, In-Gyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (714) 760-0404
(714) 760-9502
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Kim, In-Gyu
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Pred. No. 0.14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 1898
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match 33.3%;
Best Local Similarity 40.9%;
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (714) 760-95
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: MOORE, PETITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
           TELEFAX: 212-391-0525
NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 05'
                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
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CORRESPONDENCE ADDRESS:
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         660 ERRHEQLRREQQERREQRLKREEEEERLEQRLKREHEEERREQE 703
                                                                                                                                                                                                                                                                                                                                                                           STREET: 1185 ACCITY: New York
STATE: New York
                                                                                                                                                                                    APPLICATION NUMBER: US/08/728,323A FILING DATE:
                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
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CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                         U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Edelman, Isidore S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bohenzky, Roy A.
Russo, James J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chang, Yuan
                                                                                                                                                                                                                                                                                                                                                                                                                                   Cooper & Dunham LLP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Immediate Early Protein From Kaposi's Sarcoma-Associated Herpesvirus, DNA Encoding Same And Uses Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21
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                                                                                    0575/52268/JPW/MSC/SKS
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Pred. No. 0.14;
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                                                         Query Match
Best Local Similarity
Matches 20; Conserv
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Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 43,
                                                                                                                                                                                                                     TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 21
                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND
                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 6300 CONTY: Seattle STATE: Washing
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                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
69 ERARREAEERAQREAEERAQREAEERARREAEKRARREAKERAWQEAEE 117
                                                                                                                                                                          STRANDEDNESS:
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                                                                                                                                                             TOPOLOGY:
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                2 ERDPRQQYEQCCQRRCESEA----TEEREQEQCCQRCEREYKEQQRQQEEE 47
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                                                                                                                                                                                       amino acid
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                                                              Conservative
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                                                                                                                                                                                                         amino acids
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                                                                                                                                                                                                                                                                      622-4900
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Pred. No. 0.11;
                                                           Score 82.5; DB 2;
Pred. No. 0.035;
7; Mismatches 19;
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                                                           Indels
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                                                           Gaps
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US-08-834-306-43; Sequence 43, Application US/08834306; Patent No. 6054135

GENERAL INFORMATION:

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Best Local Similarity 40.8
Conservative
                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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[NFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                      TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                         APPLICANT: de Taisne, Charles APPLICANT: Tine, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: MAKI, DAVID J.
REGISTRATION NUMBER: 31,392
REFERENCE/OOCKET NUMBER: 210
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: US,
FILING DATE: 15-APR-199
CLASSIFICATION: 424
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CORRESPONDENCE ADDRESS:
                                                                                                                                   COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk
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CITY: Seattle
STATE: Washing
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                 FILING DATE:
                          APPLICATION NUMBER:
                                                                                                                  MEDIUM TYPE:
                                                                                                                                                                                       STATE:
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                                                                                                                                                         ZIP:
                                                                                                                                                                     COUNTRY:
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                                                                                                                                                                                                         New York
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                                                                                                                                                                                     New York
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                                                                                                                                                                                                                       E: Curtis, Morris & Safford, P.C. 530 Fifth Avenue, 25th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         186 amino acids
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                                                                                                                                                                     UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                           Paoletti, Enzo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER: US/08/834,306
15-APR-1997
                                                                                                                  Floppy disk
              09-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32.0%;
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                                US/08/257,073
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Raymond L.
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APPLICANT: Tripp, Cynthia A.
APPLICANT: Frank, Glenn R.
APPLICANT: Grieve, Robert B.
APPLICANT: Grieve, Robert B.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING NOVEL
TITLE OF INVENTION: PARASITIC HELMINTH PROTEINS
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                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                CLASSIFICATION:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
NAME: Connell, Gary J.
NAME: 32,020
                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: DATA: US/08/109,391A FILING DATE: 19-AUG-1993 CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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REFERENCE/DOCKET NUMBER: 45
TELECOMMUNICATION INFORMATION:
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                                                   TELECOMMUNICATION INFORMATION: TELEPHONE: 303/863-9700
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0
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TELEFAX: (212) 840-0712
TELEX: 425066 CURTMS
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                                                                                                                                                                                                                                                                                                                           COUNTRY: UZIP: 80203
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CITY: Denver
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                                                                                        REFERENCE/DOCKET NUMBER:
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                                   303/863-0223
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internal
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                                 Sequence 2, Application US/08460428A Patent No. 5912337
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Best Local Similarity
                 GENERAL INFORMATION:
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   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Tripp, Cynthia
APPLICANT: Frank, Glenn R.
APPLICANT: Grieve, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: protein
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MEDIUM TYPE: Floppy disk
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NUMBER OF SEQUENCES:
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STREET: 1/2
STREET: 1/2
TTTY: Denver
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                                                                                                                                    222 YTVSMEQKYDQVKEDKERRMQEEEEQQERLREYEEQIQEKLRQEEERERQEQERRQKE 278
                                                                                                                                                                                                                        Local Similarity
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Connell, Gary J. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 06-JUN
                                                                                                                                                      1 YERDPRQYEQC----QRRCESEATEER-------EQEQCEQRCEREYKEQQRQQEE 46
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5. 5686080
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)GY: linear
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amino acid
GY: linear
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NOVEL PARASITIC HELMINTH P4 PROTEINS
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Tripp, Cynthia A.
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                                                                                                                                                                                                                    28.5%; Score 73.5; DB 1; Length 303; 35.1%; Pred. No. 0.49;
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Best Local Similarity
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              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,860A
FILING DATE: 02-JUN-1995
                                                                                                                                                                                                                                                                                                                           APPLICANT: Frank, Glenn R.
APPLICANT: Tripp, Cynthia A.
APPLICANT: Tripp, Cynthia A.
APPLICANT: Grieve, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
TITLE OF INVENTION: P22U NUCLEIC ACID MOLECULES
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REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/863-9700
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ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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MEDIUM TYPE: Floppy disk
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CORRESPONDENCE ADDRESS:
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APPLICANT: Grieve, Robert
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                                                                                                                                                                           COUNTRY: UZIP: 80203
                                                                                                                                                                                                                             STREET: 1700
CITY: Denver
                                                                                                                                                                                                                                  ADDRESSEE: Sheridan Noss ....
ADDRESSEE: 1700 Lincoln St., Suite 3500
CLASSIFICATION:
                                                                                                                                                                                                               STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 02-JUN
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CITY: Denver
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 YERDPROQYEQC----QRRCESEATEER-----EQEOCEGRCEREYKEQORQQEE 46
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GY: linear
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VENTION: NOVEL PARASITIC HELMINTH

VENTION: P22U PROTEINS
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Pred. No. 0.49;
""@matches 16;
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ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,

REFERENCE/DOCKET NUMBER:

32,020

2618-13-2

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US-08-961-858-6
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                 Query Match
Best Local Similarity
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 Matches
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                                                                                                TOPOLOGY: 11
MOLECULE TYPE:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112-1-044 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Liu, Shigui
APPLICANT: Shi, Qinwei
TITLE OF INVENTION: STABLE TROPONIN SUBUNITS
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: protein
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                                                                                                                                                                                                                              TELEFAX: ZUL
TELEFAX: 133521
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                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                     STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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TYPE: amino acid
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 Conservative
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                                                                                                                                       linear
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                 28.1%; Score 72.5; DB 2; 34.0%; Pred. No. 0.59;
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 13; Mismatches
 17;
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Search completed: March
Job time: 394 sec
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Liu, Shigui
APPLICANT: Shi, Qinwei
                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 288 amino acids
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION: NAME: Jackson Esq., David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: STABLE TROPONIN SUBUNITS AND COMPLEXES NUMBER OF SEQUENCES: 6
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                                                                                    125 DRIERRRAERAEQQRIRNEREKERQNRLAEERARREEEENRRKAEDE 171
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TELEX: 133521
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OPERATING SYSTEM: PC-DOS/MS-DOS
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STATE: New Jerse
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                                                                                                                     2 ERDPRQQYEQC-QRRCESEATEEREQEQCEQRCEREYKEQQRQQEEE 47
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                                                                                                                                                        28.1%; Score 72.5; DB 34.0%; Pred. No. 0.59; tive 13; Mismatches
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